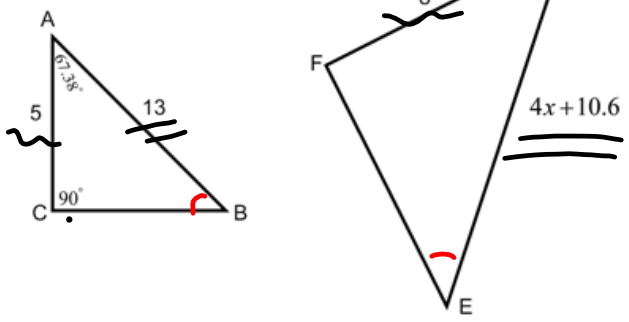
Today's Objectives:

Test Remediation

Unit 5 Remediation Side A or "We Do"

Use the figures below to answer #1-5.

$\triangle ABC \sim \triangle DEF$



A.

1A. What is the value of x?

$x = 2.55$

$\frac{4x+10.6}{13} = \frac{8}{5}$

$20x + 53 = 104$

$-53 \quad -53$

$\frac{20x = 51}{20 \quad 20}$

2A. What is $m\angle E$? $22.62°$

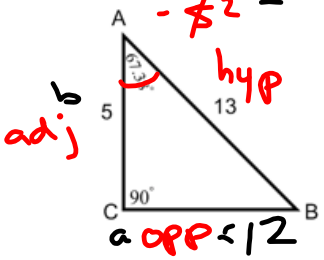
SOH CAH TOA

Use the figures below to answer #1-5.

3A. $\sin A = \frac{12}{13}$

4A. $\cos A =$

5A. $\tan A =$



$a^2 + b^2 = c^2$

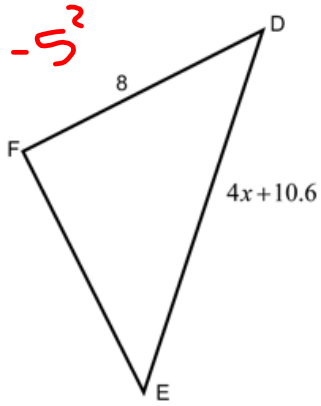
$a^2 + 5^2 = 13^2$ -5^2 -5^2

hyp

adj b

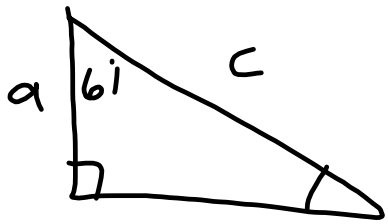
a opp < 12

A. $\sqrt{a^2} = \sqrt{144}$

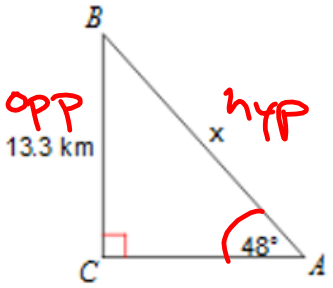


6A. If $\cos 61^\circ = \frac{a}{c}$ then what angle would make $\sin \underline{29}^\circ = \frac{a}{c}$?

90 - 61



7A. Find the measure of x.



SOH CAH TOA

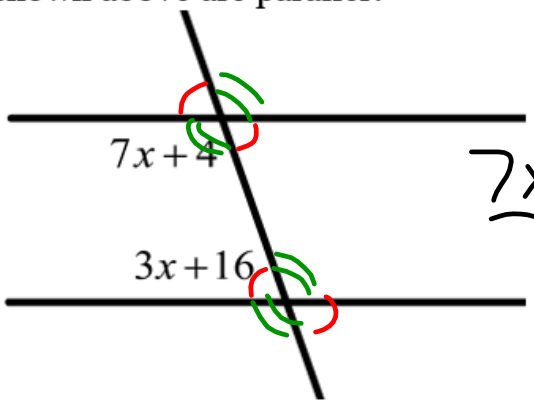
opp hyp

$\sin(48) = \frac{13.3}{x}$

$x = \frac{13.3}{\sin(48)}$

$x = 17.89$

8A. What value of x would prove that the two lines shown above are parallel?



$x = 16$

$7x + 4 + 3x + 16 = 180$

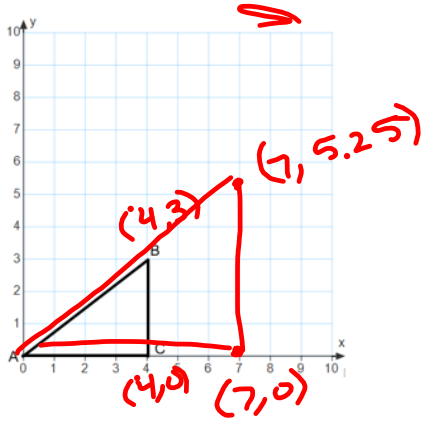
$10x + 20 = 180$

$-20 \quad -20$

$\frac{10x}{10} = \frac{160}{10}$

If ΔABC is transformed with a center of dilation at the origin and the scale factor listed, then what are the coordinates for B' and C' ?

9A. Scale factor of 1.75



B': (7 , 5.25) C': (7 , 0)